

Thursday, September 06, 2012

Attn: Mr. Darrick Jones Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: SATIN

Sample ID#s: BC59234 - BC59257

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1213:00Location Code:LBG-PCBReceived by:LB08/23/1215:48Rush Request:StandardApplying the law;

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59234

Project ID: SATIN Client ID: T-4 1-2

P.O.#:

RL/

| Parameter               | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|-------------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid           | 89        |      | %     | 08/23/12  | JL   | E160.3     |
| Soil Extraction SVOA BN | Completed |      |       | 08/23/12  | RJ/F | SW3545     |
| Polynuclear Aromatic    | HC        |      |       |           |      |            |
| 2-Methylnaphthalene     | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Acenaphthene            | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Acenaphthylene          | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Anthracene              | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benz(a)anthracene       | 0.27      | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(a)pyrene          | 0.29      | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(b)fluoranthene    | 0.35      | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(ghi)perylene      | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(k)fluoranthene    | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Chrysene                | 0.29      | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Dibenz(a,h)anthracene   | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Fluoranthene            | 0.47      | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Fluorene                | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Indeno(1,2,3-cd)pyrene  | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Naphthalene             | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Phenanthrene            | ND        | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Pyrene                  | 0.41      | 0.25 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| QA/QC Surrogates        |           |      |       |           |      |            |
| % 2-Fluorobiphenyl      | 62        |      | %     | 08/24/12  | DD   | 40 - 140 % |
| % Nitrobenzene-d5       | 60        |      | %     | 08/24/12  | DD   | 40 - 140 % |
| % Terphenyl-d14         | 55        |      | %     | 08/24/12  | DD   | 40 - 140 % |

Page 1 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59234
Client ID: T-4 1-2

RL/ Result PQL

PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

Parameter

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 2 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1213:15Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59235

Project ID: SATIN
Client ID: T-5 1-3

P.O.#:

RL/

| Parameter               | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|-------------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid           | 93        |      | %     | 08/23/12  | JL   | E160.3     |
| Soil Extraction SVOA BN | Completed |      |       | 08/23/12  | RJ/F | SW3545     |
| Polynuclear Aromatic HC | <u>.</u>  |      |       |           |      |            |
| 2-Methylnaphthalene     | ND        | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Acenaphthene            | ND        | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Acenaphthylene          | ND        | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Anthracene              | 0.78      | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benz(a)anthracene       | 1.5       | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(a)pyrene          | 1.5       | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(b)fluoranthene    | 1.9       | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(ghi)perylene      | 0.64      | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(k)fluoranthene    | 0.61      | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Chrysene                | 1.5       | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Dibenz(a,h)anthracene   | ND        | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Fluoranthene            | 2.6       | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Fluorene                | 0.78      | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Indeno(1,2,3-cd)pyrene  | 0.59      | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Naphthalene             | ND        | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Phenanthrene            | 3.6       | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Pyrene                  | 2.5       | 0.49 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| QA/QC Surrogates        |           |      |       |           |      |            |
| % 2-Fluorobiphenyl      | 80        |      | %     | 08/24/12  | DD   | 40 - 140 % |
| % Nitrobenzene-d5       | 78        |      | %     | 08/24/12  | DD   | 40 - 140 % |
| % Terphenyl-d14         | 66        |      | %     | 08/24/12  | DD   | 40 - 140 % |

Page 3 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59235
Client ID: T-5 1-3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 4 of 48 Ver 1

<sup>\*</sup> Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1213:30Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59236

Project ID: SATIN Client ID: T-6 1-3

P.O.#:

RL/

| Parameter               | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|-------------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid           | 90        |      | %     | 08/23/12  | JL   | E160.3     |
| Soil Extraction SVOA BN | Completed |      |       | 08/23/12  | RJ/F | SW3545     |
| Polynuclear Aromatic I  | <u> </u>  |      |       |           |      |            |
| 2-Methylnaphthalene     | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Acenaphthene            | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Acenaphthylene          | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Anthracene              | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benz(a)anthracene       | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(a)pyrene          | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(b)fluoranthene    | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(ghi)perylene      | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Benzo(k)fluoranthene    | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Chrysene                | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Dibenz(a,h)anthracene   | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Fluoranthene            | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Fluorene                | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Indeno(1,2,3-cd)pyrene  | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Naphthalene             | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Phenanthrene            | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| Pyrene                  | ND        | 0.51 | mg/Kg | 08/24/12  | DD   | SW 8270    |
| QA/QC Surrogates        |           |      |       |           |      |            |
| % 2-Fluorobiphenyl      | 74        |      | %     | 08/24/12  | DD   | 40 - 140 % |
| % Nitrobenzene-d5       | 71        |      | %     | 08/24/12  | DD   | 40 - 140 % |
| % Terphenyl-d14         | 63        |      | %     | 08/24/12  | DD   | 40 - 140 % |

Page 5 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59236
Client ID: T-6 1-3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 6 of 48 Ver 1

<sup>\*</sup> Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Collected by: Matrix: SOIL 08/21/12 13:50 Received by: Location Code: LBG-PCB LB 08/23/12 15:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59234

Phoenix ID: BC59237

SATIN Project ID: Client ID: P-97 0-.5

P.O.#:

RL/

|                    |           | 1 \ L/ |       |           |      |            |
|--------------------|-----------|--------|-------|-----------|------|------------|
| Parameter          | Result    | PQL    | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 94        |        | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |        |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |        |       |           |      |            |
| PCB-1016           | ND        | 0.35   | mg/Kg | 08/28/12  | МН   | 3540C/8082 |
| PCB-1221           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |        |       |           |      |            |
| % DCBP             | 80        |        | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 81        |        | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |        |       |           |      |            |

Page 7 of 48 Ver 1 Project ID: SATIN Phoenix I.D.: BC59237
Client ID: P-97 0-.5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 8 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1213:51Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59238

Project ID: SATIN
Client ID: P-97 .5-1

P.O.#:

RL/

|                    |           | I \L |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 91        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 82        |      | %     | 08/28/12  | AW   | 30 - 150 % |
| % TCMX             | 70        |      | %     | 08/28/12  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 9 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59238
Client ID: P-97 .5-1

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 10 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Collected by: Matrix: SOIL 08/21/12 13:52 Received by: Location Code: LBG-PCB LB 08/23/12 15:48 Rush Request: Standard

Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59234

Phoenix ID: BC59239

**SATIN** Project ID: Client ID: P-97 1-2

P.O.#:

RL/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 83        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1254           | 0.58      | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.39 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 73        |      | %     | 08/28/12  | AW   | 30 - 150 % |
| % TCMX             | 80        |      | %     | 08/28/12  | AW   | 30 - 150 % |

Page 11 of 48 Ver 1 Project ID: SATIN Phoenix I.D.: BC59239
Client ID: P-97 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

\*Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, a positive sample bias is suspected.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 12 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:10Location Code:LBG-PCBReceived by:LB08/23/1215:48Rush Request:StandardAnalyzed by:analyzed by:analyzed by:analyzed by:

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59240

Project ID: SATIN
Client ID: P-98 0-.5

P.O.#:

RL/

|                    |           | KL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 92        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | МН   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 77        |      | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 70        |      | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 13 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59240
Client ID: P-98 0-.5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 14 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:11Location Code:LBG-PCBReceived by:LB08/23/1215:48Rush Request:StandardAnalyzed by:analyzed by:analyzed by:analyzed by:

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59234

Phoenix ID: BC59241

Project ID: SATIN
Client ID: P-98 .5-1

P.O.#:

RL/

|                    |           | IXL/ |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 90        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 79        |      | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 79        |      | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 15 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59241
Client ID: P-98 .5-1

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

RL/

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 16 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:12Location Code:LBG-PCBReceived by:LB08/23/1215:48Rush Request:StandardAnalyzed by:analyzed by:analyzed by:analyzed by:

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59242

Project ID: SATIN
Client ID: P-98 1-2

P.O.#:

RL/

|                    |           | IXL/ |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 93        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 77        |      | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 76        |      | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 17 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59242

Client ID: P-98 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 18 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:13Location Code:LBG-PCBReceived by:LB08/23/1215:48Rush Request:StandardApplying the law;

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59243

Project ID: SATIN
Client ID: P-98 2-3

P.O.#:

RL/

|                    |           | KL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 91        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | МН   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 78        |      | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 79        |      | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 19 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59243
Client ID: P-98 2-3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 20 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:14Location Code:LBG-PCBReceived by:LB08/23/1215:48Rush Request:StandardApplying the law;

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC59234

Phoenix ID: BC59244

Project ID: SATIN
Client ID: P-98 3-3.5

RL/

|                    |           | IXL/ |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 91        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | МН   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 87        |      | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 82        |      | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 21 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59244

Client ID: P-98 3-3.5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 22 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:15Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59245

Project ID: SATIN Client ID: P-98 5-6

P.O.#:

RL/

|                    |           | I (L) |       |           |      |            |
|--------------------|-----------|-------|-------|-----------|------|------------|
| Parameter          | Result    | PQL   | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 86        |       | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |       |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |       |       |           |      |            |
| PCB-1016           | ND        | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1221           | ND        | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | 0.58      | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.38  | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |       |       |           |      |            |
| % DCBP             | 106       |       | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 97        |       | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |       |       |           |      |            |

Page 23 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59245

Client ID: P-98 5-6

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 24 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:16Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59246

Project ID: SATIN Client ID: P-98 6-7

P.O.#:

RL/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 89        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1254           | 0.55      | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 92        |      | %     | 08/28/12  | AW   | 30 - 150 % |
| % TCMX             | 91        |      | %     | 08/28/12  | AW   | 30 - 150 % |

Page 25 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59246
Client ID: P-98 6-7

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 26 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:30Location Code:LBG-PCBReceived by:LB08/23/1215:48Rush Request:StandardAnalyzed by:analyzed by:analyzed by:analyzed by:

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59247

Project ID: SATIN Client ID: P-99 0-.5

P.O.#:

RL/

|                    |           | 1 \ L/ |       |           |      |            |
|--------------------|-----------|--------|-------|-----------|------|------------|
| Parameter          | Result    | PQL    | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 94        |        | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |        |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |        |       |           |      |            |
| PCB-1016           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1221           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.35   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |        |       |           |      |            |
| % DCBP             | 83        |        | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 80        |        | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |        |       |           |      |            |

Page 27 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59247

Client ID: P-99 0-.5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 28 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:31Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59248

Project ID: SATIN
Client ID: P-99 .5-1

P.O.#:

RL/

|                    |           | I \ L/ |       |           |      |            |
|--------------------|-----------|--------|-------|-----------|------|------------|
| Parameter          | Result    | PQL    | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 92        |        | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |        |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |        |       |           |      |            |
| PCB-1016           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1221           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.36   | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |        |       |           |      |            |
| % DCBP             | 84        |        | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 79        |        | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |        |       |           |      |            |

Page 29 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59248
Client ID: P-99 .5-1

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 30 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:32Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59249

Project ID: SATIN
Client ID: P-99 1-2

P.O.#:

RL/

|                    |           | IXL/ |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 92        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | BB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1254           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 81        |      | %     | 08/28/12  | MH   | 30 - 150 % |
| % TCMX             | 85        |      | %     | 08/28/12  | MH   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 31 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59249

Client ID: P-99 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 32 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# **Analysis Report**

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Collected by: Matrix: SOIL 08/21/12 14:33 Received by: Location Code: LBG-PCB LB 08/23/12 15:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59234

Phoenix ID: BC59250

**SATIN** Project ID: Client ID: P-99 2-2.8

P.O.#:

RI/

|                    |           | INL/ |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 95        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | LB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.34 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 94        |      | %     | 08/28/12  | AW   | 30 - 150 % |
| % TCMX             | 78        |      | %     | 08/28/12  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 33 of 48 Ver 1 Project ID: SATIN Phoenix I.D.: BC59250

Client ID: P-99 2-2.8

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 34 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:45Location Code:LBG-PCBReceived by:LB08/23/1215:48Push Paguest:StandardAnalyzed by:and "Rys" helew

Rush Request: Standard Analyzed by: see "By" below

79

**Laboratory Data** 

SDG ID: GBC59234

30 - 150 %

AW

Phoenix ID: BC59251

Project ID: SATIN
Client ID: P-100 0-.5

P.O.#:

% TCMX

RL/ Date/Time **PQL** Units Parameter Result By Reference Percent Solid 92 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/26/12 LB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.36 08/28/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 0.36 08/28/12 ΑW 3540C/8082 mg/Kg PCB-1232 08/28/12 3540C/8082 ND 0.36 mg/Kg AW PCB-1242 ND 0.36 08/28/12 ΑW 3540C/8082 mg/Kg 08/28/12 3540C/8082 PCB-1248 ND 0.36 mg/Kg AW 08/28/12 PCB-1254 ND 0.36 mg/Kg AW 3540C/8082 ND 08/28/12 3540C/8082 PCB-1260 0.36 mg/Kg AW 3540C/8082 PCB-1262 ND 0.36 08/28/12 AW mg/Kg PCB-1268 ND 0.36 mg/Kg 08/28/12 ΑW 3540C/8082 **QA/QC Surrogates** % DCBP 92 % 08/28/12 AW 30 - 150 %

%

Page 35 of 48 Ver 1

08/28/12

Project ID: SATIN Phoenix I.D.: BC59251
Client ID: P-100 0-.5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 36 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:46Location Code:LBG-PCBReceived by:LB08/23/1215:48Rush Request:StandardAnalyzed by:analyzed by:analyzed by:analyzed by:

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59252

Project ID: SATIN
Client ID: P-100 .5-1

P.O.#:

RL/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 88        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | LB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 80        |      | %     | 08/28/12  | AW   | 30 - 150 % |
| % TCMX             | 79        |      | %     | 08/28/12  | AW   | 30 - 150 % |

Page 37 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59252
Client ID: P-100 .5-1

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 38 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:47Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u>

SDG ID: GBC59234

Phoenix ID: BC59253

Project ID: SATIN
Client ID: P-100 1-2

P.O.#:

RL/

|                    |           | IXL/ |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 89        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | LB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 90        |      | %     | 08/28/12  | AW   | 30 - 150 % |
| % TCMX             | 87        |      | %     | 08/28/12  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 39 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59253
Client ID: P-100 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 40 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:48Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59254

Project ID: SATIN
Client ID: P-100 2-3

P.O.#:

RL/

| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
|--------------------|-----------|------|-------|-----------|------|------------|
| Percent Solid      | 89        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | LB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.37 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 86        |      | %     | 08/28/12  | AW   | 30 - 150 % |
| % TCMX             | 82        |      | %     | 08/28/12  | AW   | 30 - 150 % |

Page 41 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59254 Client ID: P-100 2-3

RL/ Parameter Result **PQL** Units Date/Time Ву Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 42 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:50Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59255

Project ID: SATIN
Client ID: P-100 5-6

P.O.#:

RL/

|                    |           | 1 \ L/ |       |           |      |            |
|--------------------|-----------|--------|-------|-----------|------|------------|
| Parameter          | Result    | PQL    | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 80        |        | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |        |       | 08/26/12  | LB/K | SW3540C    |
| PCB (Soxhlet)      |           |        |       |           |      |            |
| PCB-1016           | ND        | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| PCB-1221           | ND        | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| PCB-1232           | ND        | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| PCB-1242           | ND        | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| PCB-1248           | ND        | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| PCB-1254           | 0.94      | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| PCB-1260           | ND        | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| PCB-1262           | ND        | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| PCB-1268           | ND        | 0.42   | mg/Kg | 09/04/12  | MH   | 3540C/8082 |
| QA/QC Surrogates   |           |        |       |           |      |            |
| % DCBP             | 92        |        | %     | 09/04/12  | MH   | 30 - 150 % |
| % TCMX             | 82        |        | %     | 09/04/12  | MH   | 30 - 150 % |
|                    |           |        |       |           |      |            |

Page 43 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59255
Client ID: P-100 5-6

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 44 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:51Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59256

Project ID: SATIN
Client ID: P-100 6-7

P.O.#:

RL/ Date/Time **PQL** Units Parameter Result Βv Reference Percent Solid 82 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/26/12 LB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.79 08/29/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 0.79 08/29/12 ΑW 3540C/8082 mg/Kg PCB-1232 08/29/12 3540C/8082 ND 0.79 mg/Kg AW PCB-1242 ND 0.79 08/29/12 ΑW 3540C/8082 mg/Kg 08/29/12 3540C/8082 PCB-1248 ND 0.79 mg/Kg AW PCB-1254 5.3 0.79 mg/Kg 08/29/12 AW 3540C/8082 ND 08/29/12 3540C/8082 PCB-1260 0.79 mg/Kg AW 3540C/8082 PCB-1262 ND 0.79 08/29/12 AW mg/Kg PCB-1268 ND 0.79 mg/Kg 08/29/12 ΑW 3540C/8082 **QA/QC Surrogates** % DCBP 128 % 08/29/12 AW 30 - 150 % 30 - 150 % 106 % 08/29/12 AW % TCMX

Page 45 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59256
Client ID: P-100 6-7

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 46 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

September 06, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/1214:52Location Code:LBG-PCBReceived by:LB08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC59234

Phoenix ID: BC59257

Project ID: SATIN
Client ID: P-100 7-8

P.O.#:

RI/

|                    |           | KL/  |       |           |      |            |
|--------------------|-----------|------|-------|-----------|------|------------|
| Parameter          | Result    | PQL  | Units | Date/Time | Ву   | Reference  |
| Percent Solid      | 92        |      | %     | 08/23/12  | JL   | E160.3     |
| Extraction for PCB | Completed |      |       | 08/26/12  | LB/K | SW3540C    |
| PCB (Soxhlet)      |           |      |       |           |      |            |
| PCB-1016           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1221           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1232           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1242           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1248           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1254           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1260           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1262           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| PCB-1268           | ND        | 0.36 | mg/Kg | 08/28/12  | AW   | 3540C/8082 |
| QA/QC Surrogates   |           |      |       |           |      |            |
| % DCBP             | 94        |      | %     | 08/28/12  | AW   | 30 - 150 % |
| % TCMX             | 90        |      | %     | 08/28/12  | AW   | 30 - 150 % |
|                    |           |      |       |           |      |            |

Page 47 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59257
Client ID: P-100 7-8

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 06, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

Page 48 of 48 Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# QA/QC Report

September 06, 2012

### QA/QC Data

SDG I.D.: GBC59234

| Parameter                                    | Blank   | LCS<br>%                | LCSD<br>% | LCS<br>RPD   | MS<br>%             | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |  |
|--|---|-------------------------|-----------|--------------|---------------------|----------|-----------|--------------------|--------------------|--|
|  | Sample No: BC58407 (BC5023)   | 1 BC50235 BC5           | 0236)     |              |                     |          |           |                    |                    |  |
|  | QA/QC Batch 207717, QC Sample No: BC58407 (BC59234, BC59235, BC59236)  Polynuclear Aromatic HC - Soil |                         |           |              |                     |          |           |                    |                    |  |
| 2-Methylnaphthalene                          | ND  | 75                      | 75        | 0.0          |                     |          |           | 30 - 130           | 30                 |  |
| Acenaphthene                                 | ND  | 75<br>78                | 73<br>78  | 0.0          |                     |          |           | 30 - 130           | 30                 |  |
| Acenaphthylene                               | ND  | 70<br>77                | 70<br>77  | 0.0          |                     |          |           | 30 - 130           | 30                 |  |
| Anthracene                                   | ND  | 84                      | 80        | 4.9          |                     |          |           | 30 - 130           | 30                 |  |
| Benz(a)anthracene                            | ND  | 80                      | 81        | 1.2          |                     |          |           | 30 - 130           | 30                 |  |
| Benzo(a)pyrene                               | ND  | 77                      | 76        | 1.3          |                     |          |           | 30 - 130           | 30                 |  |
| Benzo(b)fluoranthene                         | ND  | 85                      | 83        | 2.4          |                     |          |           | 30 - 130           | 30                 |  |
| Benzo(ghi)perylene                           | ND  | 78                      | 73        | 6.6          |                     |          |           | 30 - 130           | 30                 |  |
| Benzo(k)fluoranthene                         | ND  | 81                      | 83        | 2.4          |                     |          |           | 30 - 130           | 30                 |  |
| Chrysene                                     | ND  | 79                      | 79        | 0.0          |                     |          |           | 30 - 130           | 30                 |  |
| Dibenz(a,h)anthracene                        | ND  | 82                      | 78        | 5.0          |                     |          |           | 30 - 130           | 30                 |  |
| Fluoranthene                                 | ND  | 79                      | 80        | 1.3          |                     |          |           | 30 - 130           | 30                 |  |
| Fluorene                                     | ND  | 78                      | 79        | 1.3          |                     |          |           | 30 - 130           | 30                 |  |
| Indeno(1,2,3-cd)pyrene                       | ND  | 81                      | 77        | 5.1          |                     |          |           | 30 - 130           | 30                 |  |
| Naphthalene                                  | ND  | 61                      | 61        | 0.0          |                     |          |           | 30 - 130           | 30                 |  |
| Phenanthrene                                 | ND  | 81                      | 80        | 1.2          |                     |          |           | 30 - 130           | 30                 |  |
| Pyrene                                       | ND  | 80                      | 81        | 1.2          |                     |          |           | 30 - 130           | 30                 |  |
| % 2-Fluorobiphenyl                           | 73  | 73                      | 73        | 0.0          |                     |          |           | 30 - 130           | 30                 |  |
| % Nitrobenzene-d5                            | 76  | 74                      | 75        | 1.3          |                     |          |           | 30 - 130           | 30                 |  |
| % Terphenyl-d14                              | 83  | 81                      | 84        | 3.6          |                     |          |           | 30 - 130           | 30                 |  |
| QA/QC Batch 207925, QC BC59244, BC59245, BC5 | Sample No: BC59224 (BC59237<br>9246, BC59247, BC59248, BC59   | 7, BC59238, BC5<br>249) | 9239, B   | C59240       | ), BC5 <sup>1</sup> | 9241, B  | C59242    | , BC5924           | 3,                 |  |
| Polychlorinated Biph                         | nenyls - Soil   |                         |           |              |                     |          |           |                    |                    |  |
| PCB-1016                                     | ND  | 89                      | 85        | 4.6          | 73                  | 76       | 4.0       | 40 - 140           | 30                 |  |
| PCB-1221                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |
| PCB-1232                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |
| PCB-1242                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |
| PCB-1248                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |
| PCB-1254                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |
| PCB-1260                                     | ND  | 93                      | 77        | 18.8         | 74                  | 76       | 2.7       | 40 - 140           | 30                 |  |
| PCB-1262                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |
| PCB-1268                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |
| % DCBP (Surrogate Rec)                       | 82  | 90                      | 80        | 11.8         | 60                  | 61       | 1.7       | 30 - 150           | 30                 |  |
| % TCMX (Surrogate Rec)                       | 78  | 81                      | 76        | 6.4          | 72                  | 73       | 1.4       | 30 - 150           | 30                 |  |
| QA/QC Batch 207926, QC BC59257)              | Sample No: BC59250 (BC59250   | ), BC59251, BC5         | 9252, B   | C59253       | B, BC5              | 9254, B  | C59255    | , BC5925           | 66,                |  |
| Polychlorinated Biph                         | nenyls - Soil   |                         |           |              |                     |          |           |                    |                    |  |
| PCB-1016                                     | ND  | 99                      | 94        | 5.2          | 96                  | 87       | 9.8       | 40 - 140           | 30                 |  |
| PCB-1221                                     | ND  | ,,                      | - •       | - · <b>-</b> | . •                 | ٠.       |           | 40 - 140           | 30                 |  |
| PCB-1232                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |
| PCB-1242                                     | ND  |                         |           |              |                     |          |           | 40 - 140           | 30                 |  |

### QA/QC Data

SDG I.D.: GBC59234

| Parameter              | Blank | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits | _ |
|------------------------|-------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|---|
| PCB-1248               | ND    |          |           |            |         |          |           | 40 - 140           | 30                 | _ |
| PCB-1254               | ND    |          |           |            |         |          |           | 40 - 140           | 30                 |   |
| PCB-1260               | ND    | 86       | 81        | 6.0        | 89      | 86       | 3.4       | 40 - 140           | 30                 |   |
| PCB-1262               | ND    |          |           |            |         |          |           | 40 - 140           | 30                 |   |
| PCB-1268               | ND    |          |           |            |         |          |           | 40 - 140           | 30                 |   |
| % DCBP (Surrogate Rec) | 94    | 78       | 88        | 12.0       | 87      | 87       | 0.0       | 30 - 150           | 30                 |   |
| % TCMX (Surrogate Rec) | 85    | 89       | 89        | 0.0        | 83      | 78       | 6.2       | 30 - 150           | 30                 | _ |

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

September 06, 2012

Thursday, September 06, 2012

**Sample Criteria Exceedences Report** Requested Criteria: GBM, RC GBC59234 - LBG-PCB

State: CT

| SampNo  | Acode      | Phoenix Analyte      | Criteria   | Result | RL  | Criteria | Criteria | Units |
|---------|------------|----------------------|--|--------|-----|----------|----------|-------|
| BC59235 | \$8100SMR  | Benz(a)anthracene    | CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)  | 1500   | 490 | 1000     | 1000     | ug/Kg |
| BC59235 | \$8100SMR  | Benz(a)anthracene    | CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/kg  | 1500   | 490 | 1000     | 1000     | ug/Kg |
| BC59235 | \$8100SMR  | Chrysene             | CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)  | 1500   | 490 | 1000     | 1000     | ug/Kg |
| BC59235 | \$8100SMR  | Benzo(b)fluoranthene | CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)  | 1900   | 490 | 1000     | 1000     | ug/Kg |
| BC59235 | \$8100SMR  | Benzo(b)fluoranthene | CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/kg  | 1900   | 490 | 1000     | 1000     | ug/Kg |
| BC59235 | \$8100SMR  | Benzo(a)pyrene       | CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg)  | 1500   | 490 | 1000     | 1000     | ug/Kg |
| BC59235 | \$8100SMR  | Benzo(a)pyrene       | CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/kg  | 1500   | 490 | 1000     | 1000     | ug/Kg |
| BC59256 | \$PCB_SOXR | PCB-1254             | CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg) | 5300   | 790 | 1000     | 1000     | ug/Kg |

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Page 1 of 1

### Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-PCB Project Location: SATIN **Project Number:** Laboratory Sample ID(s): BC59234, BC59235, BC59236, BC59237, BC59238, BC59239, BC59240, BC59241, BC59242, BC59243, BC59244, BC59245, BC59246, BC59247, BC59248, BC59249, BC59250, BC59251, BC59252, BC59253, BC59254, BC59255, BC59256, BC59257 **Sampling Date(s):** 8/21/2012 **RCP Methods Used:** 6010 1311/1312 7000 7196 7470/7471 8081 ☐ EPH TO15 **✓** 8082 **✓** 8270 9010/9012 □ VPH 8151 8260 ETPH For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No. described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No □ NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes No. Were these reporting limits met? 5b. ✓ Yes □ No □ NA For each analytical method referenced in this laboratory report package, were results 6. ☐ Yes **☑** No □ NA reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? 7. ✓ Yes □ No □ NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Thursday, September 06, 2012 Authorized Printed Name: Maryam Taylor Signature: Position: Project Manager







# **RCP Certification Report**

**September 06, 2012** 

**SDG I.D.: GBC59234** 

8270 Semi-volatile Organics:

Only the PAH constituents are reported as requested on the chain-of-custody.

### **PAH Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

### **Instrument:** Chem09 08/23/12-2 (BC59234)

The DDT breakdown and benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

Initial Calibration (Chem09/BN\_0817)

Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: None

The following compounds failed to meet the minimum required response factor: None

#### Continuing Calibration:

Greater than 80% of target compounds met continuing calibration criteria with a D < 20. The following compunds had > 20% difference from the initial calibration: None.

Printed Name Damien Drobinski

**Position:** Chemist **Date:** 8/23/2012

#### QC (Batch Specific)

----- Sample No: BC58407, QA/QC Batch: 207717 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd24 08/28/12-1 (BC59238, BC59239, BC59246, BC59251, BC59252,

BC59253, BC59254, BC59257)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none







# **RCP Certification Report**

**September 06, 2012** 

**SDG I.D.: GBC59234** 

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 8/28/2012

**Instrument:** <u>Au-ecd24 09/04/12-1 (BC59255)</u>

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 9/4/2012

**Instrument:** Au-ecd3 08/28/12-1 (BC59250)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 8/28/2012

**Instrument:** Au-ecd3 08/29/12-1 (BC59256)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 8/29/2012

**Instrument:** Au-ecd6 08/29/12-1 (BC59250)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none







### **RCP Certification Report**

**September 06, 2012** 

SDG I.D.: GBC59234

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Adam Werner Printed Name **Position:** Chemist Date: 8/29/2012

Au-ecd8 08/28/12-1 (BC59237, BC59240, BC59241, BC59242, BC59243, BC59244, **Instrument:** 

BC59245, BC59247, BC59248, BC59249)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn **Position:** Chemist 8/28/2012 Date:

#### QC (Site Specific)

----- Sample No: BC59250, QA/QC Batch: 207926 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria. QC (Batch Specific)

----- Sample No: BC59224, QA/QC Batch: 207925 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



# **RCP Certification Report**

**September 06, 2012** 

**SDG I.D.: GBC59234** 

### **SVOA Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Chem09 08/24/12-1 (BC59235, BC59236)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

Initial Calibration (Chem09/sv\_0817):

Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: Carbazole

The following compounds failed to meet the minimum required response factor: 2-nitrophenol, Hexachlorobenzene

### Continuing Calibration:

Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compunds had >20% difference from the initial calibration: Benzaldehyde, Bis(2-chloroisopropyl)ether, Benzoic Acid, 3-Nitroaniline, 3,3'-dichlorobenzidine

Printed Name Damien Drobinski

**Position:** Chemist **Date:** 8/24/2012

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

\* SURCHARGE APPLIES Phoenix Std Report Full Data Package\* Tier II Checklist Djerres @ lby ch. com Data Package Excel
PDF
GIS/Key Data Format ☐ EQuIS Other MA MCP Certification MWRA eSMART Project P.O: 5 Phone #: Fax#: ☐ GW-3 ☐ GW-2 ☐ GW-1 Data Delivery: ې 1 S-2 S-3 Email: State where samples were collected: X ोरू] Residential DEC GW Protection SW Protection GB Mobility GA Mobility CT N RCP Cert ☐ I/C DEC Other いえるい 587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 ☐ Direct Exposure (Residential) CHAIN OF CUSTODY RECORD D. mich Client Services (860) 645-8726 SIL ☐ Other M⊝ □ £2 T Day\*

1 Day\*

2 Days\*

3 Days\*

Slandard

Other

\*SURCHARGE APPLIES No. nvoice to: Report to: Project: Analysis Request furnaround: X × Date: Time Sampled SE 330 1350 <u>S</u> 77 SIN 100 M 7 11-12-8 133 25 2 Matrix Code:

DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other Date Sampled 11.12-8 Date: ところ >Client Sample - Information - Identification Sample Ma<u>t</u>rix Ŧ) Environmental Laboratories, Inc. Per rusing her Executive Comments, Special Requirements or Regulations: Accepted by: 756, INC P-98(3-35 P-98(5-6) P-98(0-15 2 (C) (2) Customer Sample 7 2-1)66-9 Identification 186-d P-981 ) 8 b-d P-97 ( 7260 9-1 7 9 PHOENIX USE ONLY Q Relinquished by Customer: Address: Sampler's Signature

Data Package
Tier II Checklist
Ter II Data Package\* \* SURCHARGE APPLIES Phoenix Std Report Data Format
Excel
PDF
GIS/Key
EQuIS D'O'C MA MCP Certification MWRA eSMART Project P.O: Phone #: Fax#: ☐ GW-3 ☐ GW-2 ☐ GW-1 Data Delivery: S-S-2 S-3 Email: State where samples were collected: X ∇ Residential DEC GW Protection SW Protection CT RCP Cert GA Mobility C GB Mobility ☐ I/C DEC Other JONES 587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726 RI Direct Exposure CHAIN OF CUSTODY RECORD (Residential) Other Decrie Setin B GW ☐ 3 Days\*

Standard

Other
\* SURCHARGE APPLIES Time: Invoice to: Report to: Project: Analysis Request 1 Day\* Turnaround: Date: 25 T 500 200 ST. 1432 2 25 Sampled という <u>下</u> 安全 Date: 8-21-12 L. 1 × 2 Matrix Code:

DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other 11-12-8 Date Sampled Client Sample - Information - Identification Sample Matrix The Colla TON STAN Environmental Laboratories, Inc. Comments, Special Requirements or Regulations: Accepted by: (8.2-2)65-4 (F) TY P-100 (0-15 F-100 (6-7 P-100 (7-8) 1-9)36-0 200 Jabra 0-1001-0 Customer Sample Identification としてもの 6 でのなべんで 0.80 P-100 ) 001-d PHOENIX USE ONLY Ò Relinquished by Customer: Address: Sampler's Signature